INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/10687

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	SIFICATION OF SUBJECT MATTER C1 H05K1/03, 1/02, 3/00, 3/26	6, 3/42, 3/46	نمو من المعمد المعم المعمد المعمد المع	
According t	o International Patent Classification (IPC) or to both na	ational classification and IPC		
	S SEARCHED			
	ocumentation searched (classification system followed C1 ⁷ H05K1/03, 1/02, 3/00, 3/26			
Jitsı Koka:	i Jitsuyo Shinan Koho 1971-2003	Toroku Jitsuyo Shinan Koh Jitsuyo Shinan Toroku Koh	o 1994–2003 o 1996–2003	
Electronic d	lata base consulted during the international search (nam	ne of data base and, where practicable, sea	rch terms used)	
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C. DOCU	MENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.	
X Y A	JP 8-78798 A (TDK CORP.), 22 March, 1996 (22.03.96), Figs. 6 to 7 (Family: none)		1,8-13,33 2-7,14-17, 19-20,22, 28-32 18	
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Foreth	and described in the continuation of Poy C	Con potent family anney		
X Further documents are listed in the continuation of Box C. See patent family annex.				
Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date		priority date and not in conflict with the understand the principle or theory und document of particular relevance; the conflict was a support of particular relevance.	priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such		
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent		
Date of the	actual completion of the international search lovember, 2003 (25.11.03)	Date of mailing of the international scare 09 December, 2003	ch report (09.12.03)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile N	0	Telephone No.		

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A	JP 2002-134880 A (Hitachi Chemical Co., Ltd.), 10 May, 2002 (10.05.02), (Family: none)	18
А	<pre>JP 2000-208943 A (Matsushita Electric Industrial Co., Ltd.), 28 July, 2000 (28.07.00), (Family: none)</pre>	1-33
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